

ABSTRACT

The present invention is to provide a switching power supply device for preventing the change of characteristic of the line filter due to filler such as resin which covers the circuits. A switching power supply device is disclosed which comprise a rectifier 1 for full wave rectification of the input of the utility power supply, a condenser 2 for smoothing the output of the rectifier 1, a line filter 3 consisting of a first coil 3a which is connected in series to a high voltage side output of the rectifier 1 and a second coil 3b which is connected in series to a low voltage side output of the rectifier 1 via the condenser 2, a condenser 4 for smoothing the output of the line filter 3, a series circuit of a primary winding 5a of a transformer 5 which is connected in parallel to the condenser 4 and a switching element 6, a diode 7 for half-wave rectification of the output of a secondary winding 5b of the transformer 5, and a condenser 8 connected between output terminals of the secondary winding 5b via the diode 7, wherein a diode 10a is connected in a forward direction from an input of the second coil 3b of the line filter 3 to an output of the first coil 3a of the line filter 3.